

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1.-9. (Canceled)

10. (Previously Presented) The imaging device according to claim 11, which has a terminal for connection with a power source for supplying a voltage for generating a reference voltage for the common well from an outside of the imaging device.

11. (Currently Amended) An imaging device having a first color picture cell array which contains picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally, and a second color picture cell array which contains picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally, placed in juxtaposition on a substrate,

wherein the first and second color picture cell arrays are each provided with a respective color filter of a single color and a focusing lens,

wherein said substrate is formed from a material having a first conductivity type and has a common well formed therein from a material having the opposite conductivity type to said substrate, said common well having doped regions therein of the same conductivity as said common well,

wherein said well contacts are provided on said doped regions of said common well which said doped regions are ~~peripheral ones bordering on the respective sides of each of the~~ provided for at least at a side situated between the first and second color picture cell arrays with respect to each of the first and second color picture cell arrays,

wherein a number of sides of each color picture cell arrays, at which sides the well contacts were set, are the same as one another, and

wherein each of said well contacts are connected to each of said doped regions.

12. (Previously Presented) The imaging device according to claim 11, wherein the well-wiring is formed from a light-intercepting material to intercept the incident light upon the common well region between the first color picture cell array and the second color picture cell array.

13.-16. (Canceled)

17. (Previously Presented) The imaging device according to claim 11, wherein the photo-electric converting element is a photodiode, the picture cell has plural transistors of an insulating gate type, the common well provides a first conductivity type semiconductor region for an anode or a cathode of the photodiode, and each first conductivity type well for the plural insulating gate type transistors.

18. (Previously Presented) The imaging device according to claim 11, wherein the photo-electric converting element is a photodiode, and the common well provides a first conductivity type semiconductor region for an anode or a cathode of the photodiode, and a well for formation of a charge transfer channel of CCD.

19. (Previously Presented) The imaging device according to claim 11, wherein a third color picture cell array is additionally provided which array contains picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally.

20. (Canceled)

21. (Currently Amended) An imaging device having a first color picture cell array which contains picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally, second and third picture cell arrays which respectively contain picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally, and a fourth color picture cell array which contains picture cells having a photo-electric converting element for converting incident light to electric signals arranged two-dimensionally, placed in juxtaposition on a substrate,

wherein the first color picture cell array and the fourth color picture cell array are placed in a diagonal relation, and the second color picture cell array and the third color picture cell array are placed in another diagonal relation;

wherein the first through fourth color picture cell arrays are each provided with a respective color filter of a single color and a focusing lens,

wherein said substrate is formed from a material having a first conductivity type and has a common well formed therein from a material having the opposite conductivity type to said substrate, said common well having doped regions therein of the same conductivity as said common well,

wherein said well contacts are provided on said doped regions of said common well which said doped regions are ~~peripheral ones bordering on the respective sides of each of the~~ provided for at least at a side situated between the first and second color picture cell arrays with respect to each of the first and second color picture cell arrays,

wherein the number of the sides of each color picture cell arrays, at which sides the well contacts were set, are the same as one another, and

wherein each of said well contacts are connected to each of said doped regions.

22.-31. (Canceled)

32. (Previously Presented) The imaging device according to claim 21, wherein the common well is common to all of the first to fourth picture cell arrays.

33. (Canceled)

34. (Previously Presented) The imaging device according to claim 21, wherein the first color picture cell array has a color filter of one color of red and blue, the second and the third color picture cell arrays have green filters respectively, and the fourth color picture cell array has a color filter of the other color of red and blue.

35. and 36. (Canceled)

37. (Previously Presented) An imaging device for imaging an object, comprising an imaging device set forth in claim 11, and a power source for supplying a voltage for generating a reference voltage for the well wiring of the imaging device from an outside of the imaging device.

38. (Canceled)

39. (Previously Presented) An imaging device for imaging an object, comprising an imaging device set forth in claim 21, and a power source for supplying a voltage for generating a reference voltage for the well wiring of the imaging device from an outside of the imaging device.

40. (Canceled)

41. (New) The imaging device according to claim 11, wherein said doped regions are provided for on a plurality of sides of each of the first and second color picture cell arrays.

42. (New) The imaging device according to claim 21, wherein said doped regions are provided for on a plurality of sides of each of the first and second color picture cell arrays.